

PUBLIC NOTICE

**Federal Aid Project MO F-46-D-57
June 15, 2017 – September 30, 2018**

Project Description

Project Name: Lead Mine Conservation Area Access Development Project

Location: The Lead Mine Conservation Area (CA) is located in Dallas County, southwest of the City of Camdenton, approximately two miles west of the town of Ira (Figure 1). The project is located off of Route E in the northeast corner of the Lead Mine CA along the right (downstream) bank of the Niangua River (T36N, R18W, Section 11; 37° 52' 34.11" N, 92° 52' 49.79" W), as shown on Figures 2 and 3.

Purpose and Need: A substantial portion of the boating and fishing access to Missouri's public waters is provided by the areas owned, leased or managed under cooperative agreement by the Missouri Department of Conservation (Department). Development of the proposed access facilities in the northeastern portion of the Lead Mine CA on the lower section of the Niangua River would provide much-needed public access that would be accessible from the east side of the river. The purpose of this project is to improve opportunities for recreational boating and sport fishing on the Niangua River.

Project Scope: The objective of this project is to install new boating and fishing access facilities on the Niangua River through the construction of the following work, as shown on the attached construction plans:

- *Boat Ramp* – A new 95-ft long, 16-ft wide single-lane reinforced concrete boat ramp will be installed on the river. The ramp will include 4-ft wide rock shoulders. Approximately 0.08 acre of the boat ramp will extend into the river channel.
- *Parking Area* – A new 0.41-acre, 6-inch thick reinforced concrete parking area will be constructed adjacent to the boat ramp to provide parking for 14 trailered vehicles (one will be handicapped accessible) and a pull-back area for accessing the boat ramp.
- *Access Road* – A new 18-ft wide access road will extend between the existing gravel Bluff Trail and the new concrete parking area. The western 1,650 ft of the access road will be gravel, and the eastern 305 ft will be concrete. The access road will have 1-ft wide rock shoulders. Three culverts will be installed along the new access road to allow surface flow under the road.

The new facilities will be accessible from State Route E and will extend the existing Bluff Trail access road northeast to the Niangua River. The project footprint will be approximately 3.6 acres in size. The new facilities will be accessible to disabled users and meet Americans with Disability Act standards. Soil erosion and storm water pollution will be controlled during construction. Areas disturbed by construction activities will be seeded and mulched.

For additional information or to provide comments, please contact:

*Laura Ruman
Missouri Department of Conservation
PO Box 180
Jefferson City, MO 65102

Laura.Ruman@mdc.mo.gov
573-522-4115, #3164*

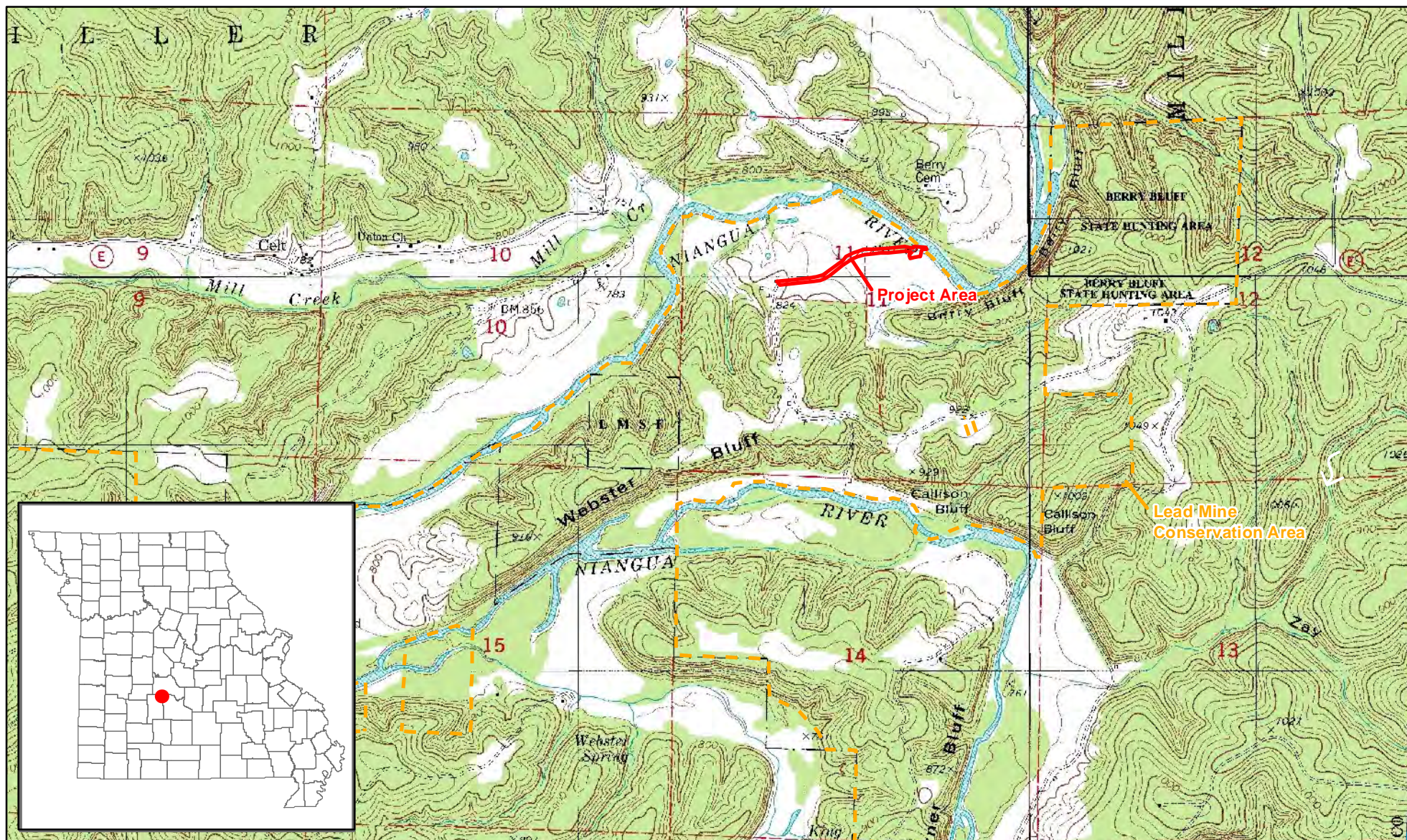
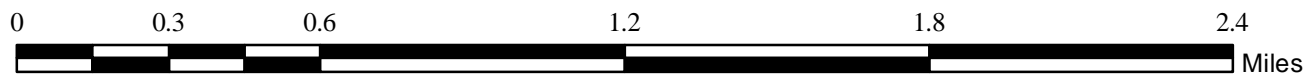


Figure 1. Location of the Lead Mine Conservation Area Access Development Project depicted on a USGS topographic map, Dallas County, Missouri.

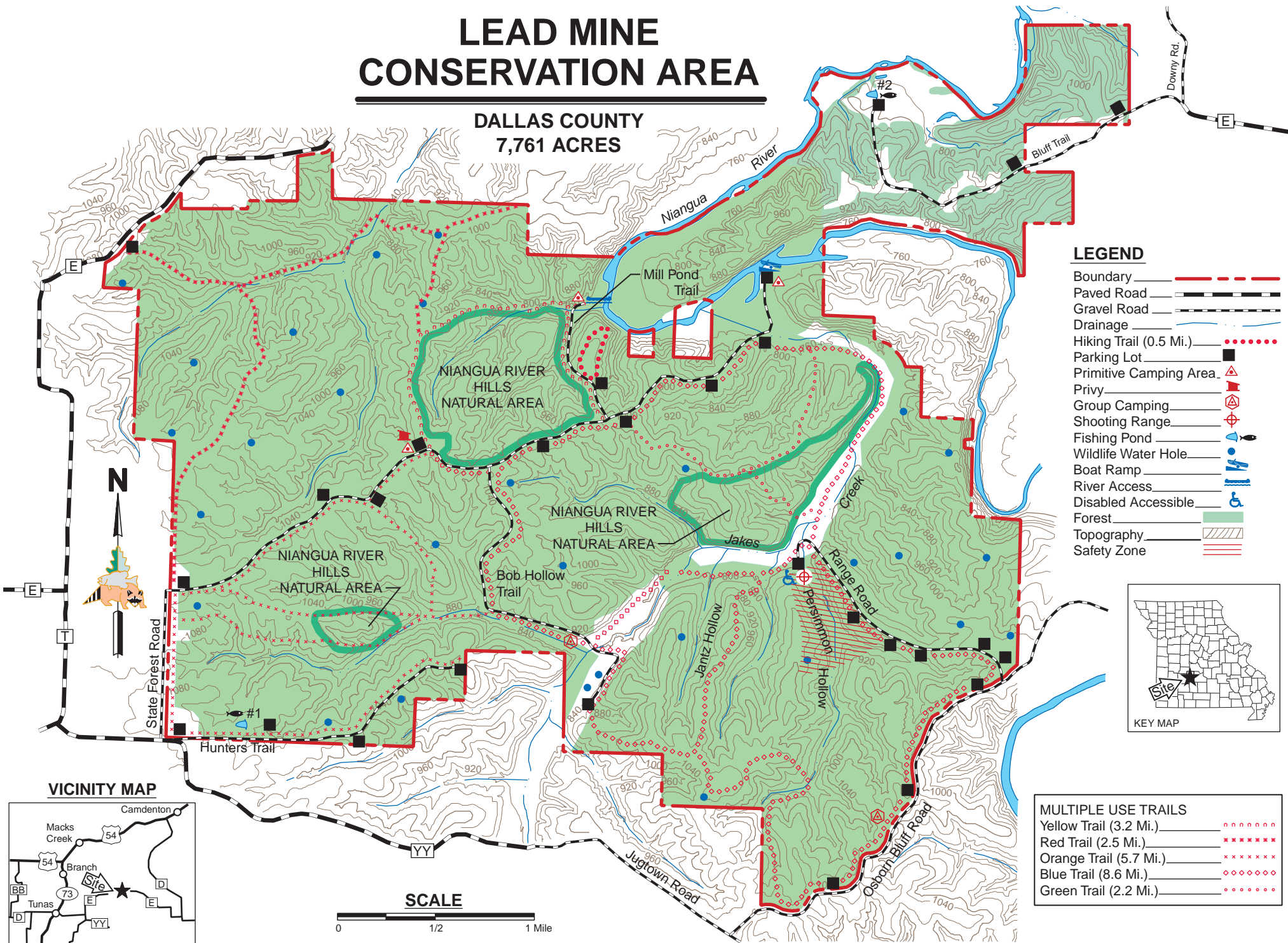


USGS 7.5-minute - Leadmine and Macks Creek: T36N, R18W, Sec 11.



LEAD MINE CONSERVATION AREA

DALLAS COUNTY
7,761 ACRES



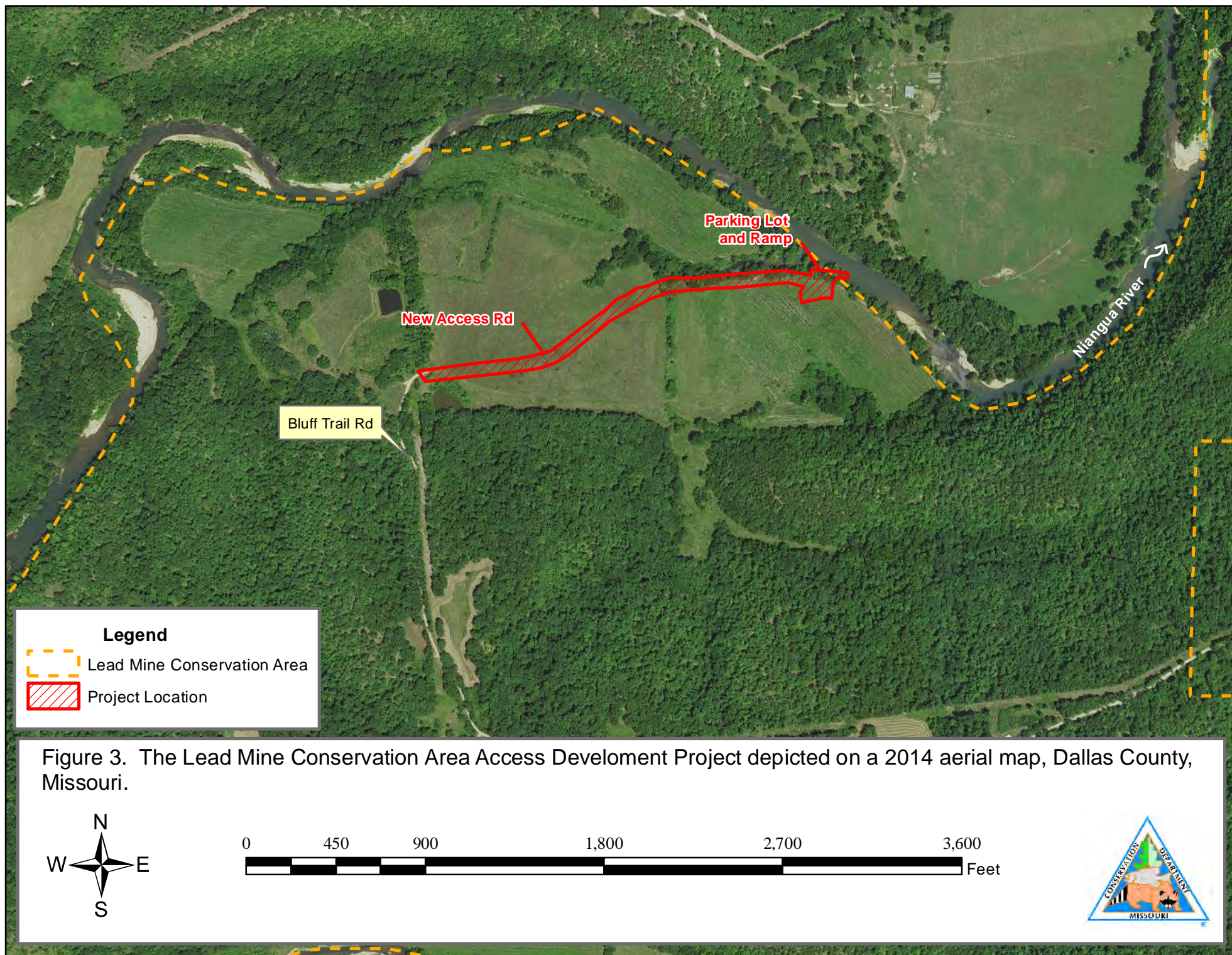


Figure 3. The Lead Mine Conservation Area Access Development Project depicted on a 2014 aerial map, Dallas County, Missouri.

LEAD MINE CONSERVATION AREA
ACCESS DEVELOPMENT

LEAD MINE CONSERVATION AREA ACCESS DEVELOPMENT

80-24-14

DALLAS COUNTY, MISSOURI PLANS FOR CONSTRUCTION

2017



DESIGN AND DEVELOPMENT

MISSOURI DEPARTMENT OF CONSERVATION

P.O. BOX 180, JEFFERSON CITY, MO 65102 (573) 522-8115

APPROVALS

David D. Case
DESIGN AND DEVELOPMENT

February 10, 2017



DATE 2-9-1

80-24-14

LEAD MINE CONSERVATION AREA ACCESS DEVELOPMENT

CIVIL LEGEND:

	EXISTING 5' MAJOR CONTOUR		SURVEY BENCHMARK
	EXISTING 1' MINOR CONTOUR		SURVEY MONUMENT
	PROPOSED 5' MAJOR CONTOUR		CONTROL POINT
	PROPOSED 1' MINOR CONTOUR		IRON PIN
	EXISTING CENTERLINE		DRILL HOLE
	PROPOSED CENTERLINE		SOIL BORING
	EDGE OF ROAD - ASPHALT		TEST PIT
	EDGE OF ROAD - CONCRETE		UTILITY BOX
	EDGE OF ROAD - GRAVEL		ELECTRIC BOX
	EDGE OF SHOULDER		UTILITY/POWER POLE
	PROPOSED NEW PROFILE		CUT WIRE POLE
	EXISTING GROUND PROFILE		LIGHT POLE
	EXISTING PROPERTY LINE		GAS VALVE
	EDGE OF WATER LINE		CATCH BASIN
	EXISTING TREE LINE		SINGLE POLE SIGN
	SLOPE DIRECTION		MANHOLE
	SLOPE LINE		SANITARY SEWER MANHOLE
	SET FENCE		STORM SEWER/DRAIN MANHOLE
	BARB-WIRE FENCE LINE		SHRUB/VEGETATION
	CHAIN-LINK FENCE LINE		TREE STUMP
	WOOD POST FENCE LINE		TREE
	ELECTRIC LINE		EXISTING WATER HYDRANT
	OVERHEAD PRIMARY ELECTRIC LINE		PROPOSED WATER HYDRANT
	UNDERGROUND ELECTRIC LINE		WATER SHUT-OFF VALVE
	TELEPHONE & TV LINE		WATER VALVE
	ELECTRIC & TELEPHONE LINE		WELL
	ELECTRIC & TV LINE		
	UNDERGROUND FIBER OPTIC LINE		
	OVERHEAD TELEPHONE LINE		
	UNDERGROUND TELEPHONE LINE		
	TV LINE		
	GAS LINE		
	FORCE MAIN LINE		
	SANITARY SEWER LINE		
	STORM SEWER LINE		
	FLOW ARROWS		
	WATER LINE		
	TO BE REMOVED		
	CONCRETE SURFACING		
	AGGREGATE SURFACING		
	GRADING		
	WET-RAP		

ABBREVIATIONS LEGEND:

ADT	ABOVE FINISHED FLOOR	MFG	MANUFACTURING/MANUFACTURER
ADA	AMERICANS WITH DISABILITY ACT	MAX	MAXIMUM
ALUM	ALUMINUM	MH	MAN HOLE
ANG	ANGLE	MO	MASONRY OPENING
APPROX	APPROXIMATE	MR	MOISTURE RESISTANT
AT	AT	MTL	METAL
BEAM	BEAM	MINUM	MINIMUM
BEG HT	BEARING HEIGHT	MON	MONUMENT
BOT	BOTTOM	NI	NORTHING
BULD	BUILDING	NIC	NOT IN CONTRACT
BULK	BLOCK	NTS	NOT TO SCALE
BP	BEGINNING POINT	NO	NUMBER
BVCE	BEGIN VERTICAL CURVE ELEVATION	OC	ON CENTER
BVCS	BEGIN VERTICAL CURVE STATION	OPWD	OPENING
CB	CAST IRON	OD	OUTSIDE DIAMETER
CLD	CEILING	P	PLATE STEEL
C/L	CENTERLINE	PC	POINT OF CURVATURE
C/C	CENTERLINE TO CENTERLINE	PE	POLYETHYLENE
CLD	CLEAR	PERF	PERFORATED
CO	CLEAR OUT	PI	POINT OF INTERSECTION
CONC	CONCRETE	PLWD	PLYWOOD
CUR	CURB FEET PER MINUTE	PNT	POINT
CWR	CORRUGATED METAL PIPE	PP	POWER POLE
CNTR	CENTERS	PT	POINT OF TANGENCY
CONST	CONSTRUCTION	PREF	PREFINISH
CONT	CONTINUOUS	PVC	POLYVINYL CHLORIDE
DI	DUCTILE IRON	PVI	POINT VERTICAL INTERSECTION
DA OR #	DIAMETER	R	RADIUS
DIST	DISTANCE	RT	RIGHT
DS	DO NOT DISTURB	RCW OR RW	RACWAY
DS	DOWNSPOUT	REIN	REINFORCEMENT
DTL	DETAIL	RCP	REINFORCED CONCRETE PIPE
EA	EASTING	RM	ROOM
EF	EACH FACE	RO	ROUGH OPENING
EF	EXHAUST FAN	ROW	RIGHT OF WAY
EG	EXISTING GROUND	SAN	SANITARY (SEWER)
EL OR ELEV	ELEVATION	SCH	SCHEDULE
EP	END POINT	SCHED	SCHEDULED
EW	EACH WAY	SECT	SECTION
EQ	EQUAL	SH	SHEET
EQ SP	EQUALLY SPACED	SS	STORM SEWER
EQUIP	EQUIPMENT	SS	SERVICE SINK
EVCE	END VERTICAL CURVE ELEVATION	SS OR SST	STAINLESS STEEL
EVCS	END VERTICAL CURVE STATION	STA	STATION
EXIST	EXISTING	STL	STEEL
EXP	EXPANSION	SQ	SQUARE
FTE	FRESH FLOOR ELEVATION	SW	SIDE WALK
FIN	FINISH	THK	THICK
FOO	FLOOR CLEAN OUT	TOC	TOP OF CONCRETE
FD	FLOOR DRAIN	TOC	TOP OF CURB
FG	FINISH GRADE	TOW	TOP OF WALL
FL	FLOW LINE	TOF	TOP OF FOOTING
FLR	FLOOR	TOFD	TOP OF FOUNDATION
FT	FEET	TOS	TOP OF STEEL
GALV	GALVANIZED	TYP	TYPICAL
GRD	GROUND	UNDR	UNDER
GYP BRD	GYPSON BOARD	UNO	UNLESS NOTED OTHERWISE
HM	HOLLOW METAL	VC	VERTICAL CURVE
HB	HOSE BIB OR WALL HYDRANT	VERT	VERTICAL
HOB	HORIZONTAL	VOL	VOLUME
ID	INSIDE DIAMETER	WCO	WATER CLEAN OUT
E	INVERT ELEVATION	WWF	WELDED WIRE FABRIC
IN	INVERT	W/	WITH
INSUL	INSULATION		
P	IRON PIN		
JO	JOIST		
L	LOWER		
LT	LEFT		
LVC	LENGTH OF VERTICAL CURVE		

Sheet List Table

SHEET NUMBER	SHEET ID	SHEET TITLE
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3	G-501	TEMPORARY EROSION CONTROL
4	V-101	SURVEY
5	V-501	CONSTRUCTION STAKING DETAILS
6	C-101	SITE PLAN - ENTRANCE ROAD
7	C-102	SITE PLAN - PARKING & BOAT RAMP
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9	C-104	PLAN & PROFILE - STA 50+00 - 50+83.28
10	C-105	PLAN & PROFILE - PARKING EDGES
11	C-106	PLAN & PROFILE - BORROW AREA
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17	C-703	CROSS SECTIONS - STA 58+50 - 59+83.37
18	C-704	CROSS SECTIONS - BORROW AREA
19	C-705	CROSS SECTIONS - BOAT RAMP



DESIGN AND DEVELOPMENT
MISSOURI DEPARTMENT OF TRANSPORTATION
1115 WEST WILSON AVENUE, SUITE 100
ST. LOUIS, MO 63104



DAVID R. JONES
CIVIL ENGINEER
PE 000000001

LEAD MINE
CONSERVATION
AREA

ACCESS DEVELOPMENT

DALLAS COUNTY



VICINITY MAP



CONSTRUCTION SIGN DETAIL

SCALE: 1/4"=1'

PROJECT NO: 80-24-14
GAS DWS FILE: 80-24-14 COVER.dwg
DRAWN BY: RLB
CHECKED BY: HOT

DRAWING INDEX

G-001

SHEET 1 OF 19



DESIGN AND DEVELOPMENT

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
P.O. BOX 160, JEFFERSON CITY, MO 6402
(573) 581-6171 www.mdt.missouri.gov



CYNTHIA POULOS
CIVIL ENGINEER
PE 2015002441

LEAD MINE
CONSERVATION
AREA

ACCESS DEVELOPMENT

DALLAS COUNTY

PROJECT NO. 80-24-14

CAD DWG FILE: 80-24-14_C-000.dwg

DRAWN BY: JUB

DESIGNED BY: GSP

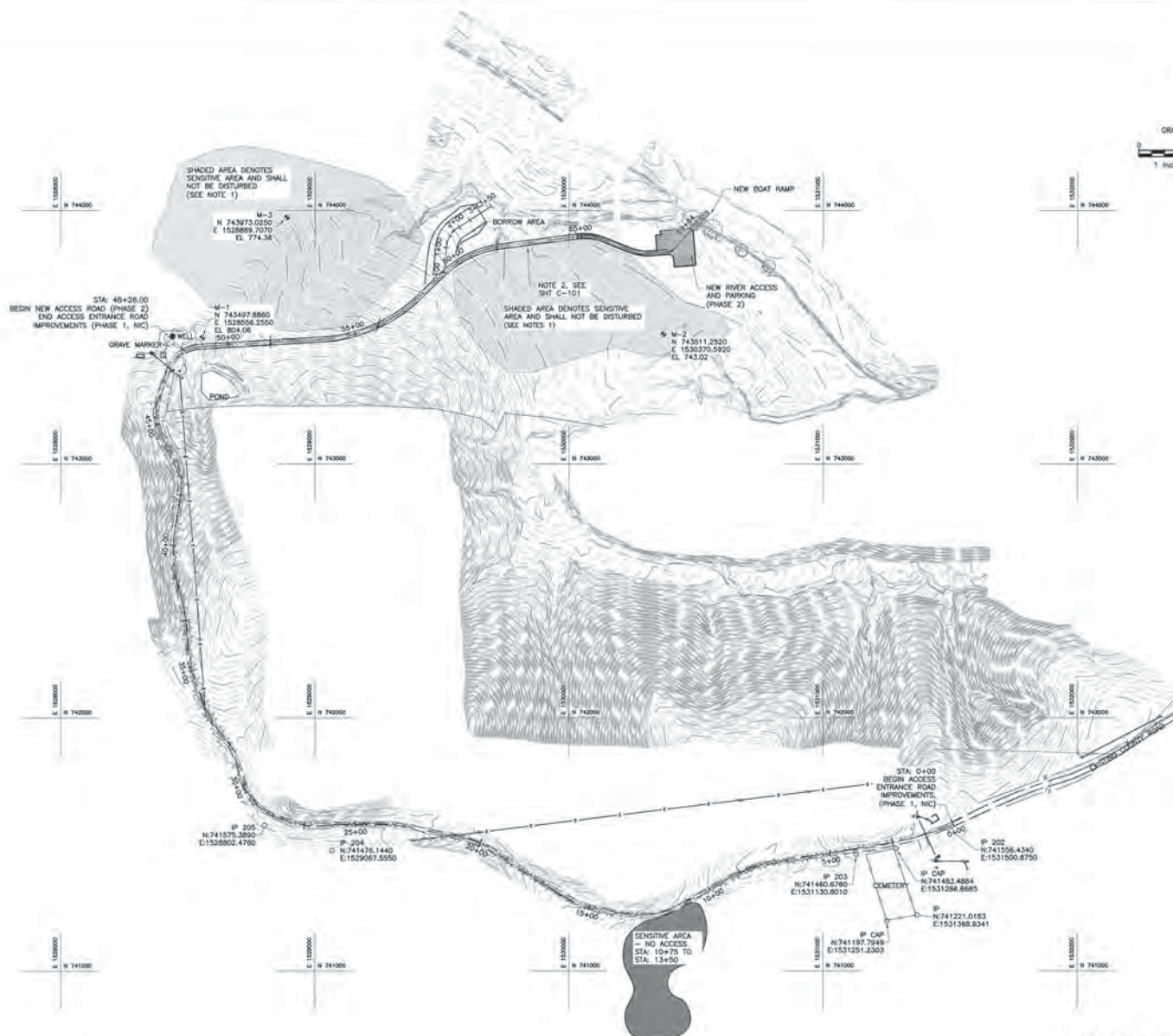
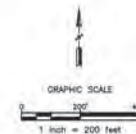
CHECKED BY: HDT

SHEET TITLE:

GENERAL
SITE PLAN

G-101

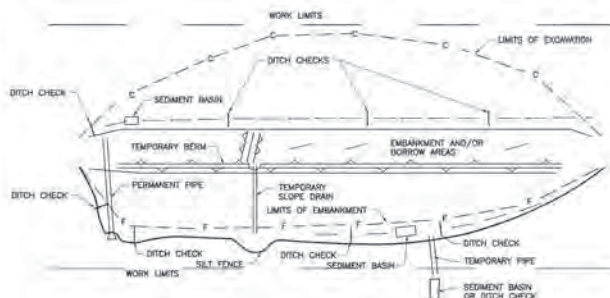
SHEET 2 OF 19



1 GENERAL SITE PLAN
SCALE: 1"=200'

GENERAL NOTES:

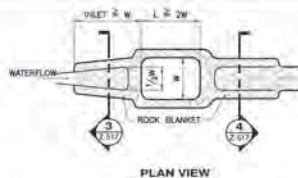
- CONTRACTOR SHALL NOT DRIVE OVER AREA OR USE FOR CONSTRUCTION STAGING.
- NO EXCAVATION WITHIN THIS PORTION OF THE SENSITIVE AREA. ACCESS ALLOWED FOR RUBBER Tired VEHICLES ONLY WITHIN PORTION AFFECTED BY ENTRANCE ROAD.



- NOTES:
1. EROSION CONTROL MEASURES ARE SHOWN HERE AS GENERAL EXAMPLES. ACTUAL CONDITIONS WILL VARY.
 2. D=OUT LIMITS; F=IN LIMITS.
 3. TEMPORARY OR FINAL SEEDING IMMEDIATELY UPON COMPLETION OF GRADING.

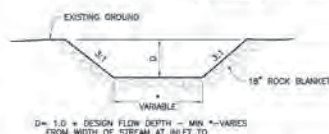
1 GENERAL EROSION CONTROL PLAN

SCALE: NTS



2 SEDIMENT BASIN PLAN & PROFILE

SCALE: NTS



3 SEDIMENT BASIN INLET - SECTION

SCALE: NTS



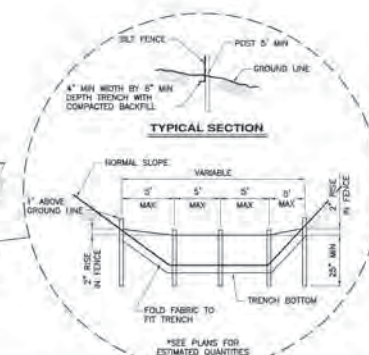
4 SEDIMENT BASIN OUTLET - SECTION

SCALE: NTS

ALL TYPES DITCH CHECK SPACING		
DITCH 1: SLOPE %	SPACING (FT.)	
0.5	400	
1.0	200	
1.5	133	
2.0	100	
2.5	80	
3.0	66	
3.5	57	
4.0	50	
4.5	44	
5.0	40	
5.5	38	
6.0	35	
6.5	33	
7.0	30	
7.5	28	
8.0	25	
8.5	23	
9.0	22	
9.5	21	
10.0	20	

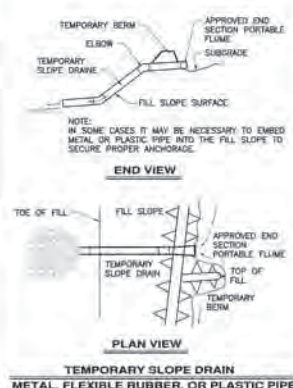
5 TEMPORARY ROCK DITCH CHECK

- NOTE:
1. THE DITCH CHECK SHALL BE REMOVED WHEN THE GRASS HAS MATURED SUFFICIENTLY TO PROTECT THE DITCH. SWALE, OR THE CONCRETE DITCH LINER HAS BEEN CONSTRUCTED. THE AREA BENEATH THE ROCK DITCH CHECK SHALL BE SEEDING AND MULCHED OR CONSTRUCTED IN CONCRETE IMMEDIATELY AFTER THEY ARE REMOVED.



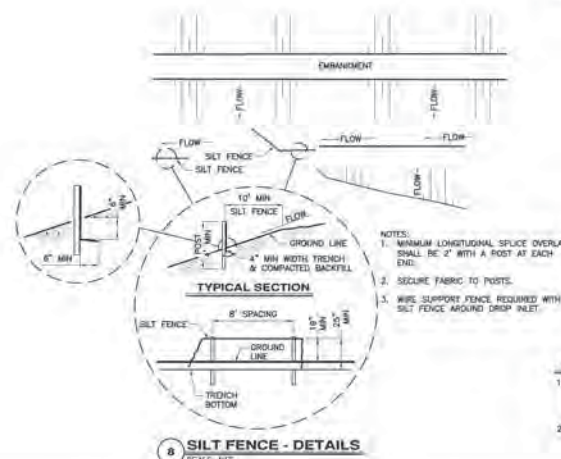
6 TEMPORARY SILT FENCE DITCH CHECK

SCALE: NTS



7 BERMS & SLOPE DRAIN - DETAILS

SCALE: NTS



8 SILT FENCE - DETAILS

SCALE: NTS

GENERAL NOTES:

1. THIS SHEET CONTAINS GENERAL INFORMATION WHICH MAY BE INCORPORATED INTO THE TEMPORARY EROSION CONTROL PLAN FOR THIS PROJECT. REFER TO THE SPECIFICATIONS AND PROPOSAL FORM FOR THE SPECIFIC ITEMS WHICH HAVE BEEN INCLUDED.
2. THE INFORMATION CONTAINED ON THIS SHEET IS TO BE USED FOR TEMPORARY EROSION CONTROL ONLY. PERMANENT EROSION CONTROL MEASURES ARE SHOWN ELSEWHERE IN THE PLANS AND SPECIFICATIONS.



DESIGN AND DEVELOPMENT, INC.

1100 W. 11TH STREET, SUITE 100
DALLAS, TEXAS 75201-1000

LEAD MINE
CONSERVATION
AREA

ACCESS DEVELOPMENT

DALLAS COUNTY

MARK, DATE, DESCRIPTION

PROJECT NO. 80-24-14

CAD FILE FILE 2517-00

DRAWN BY: STANDARD

DESIGNED BY: STANDARD

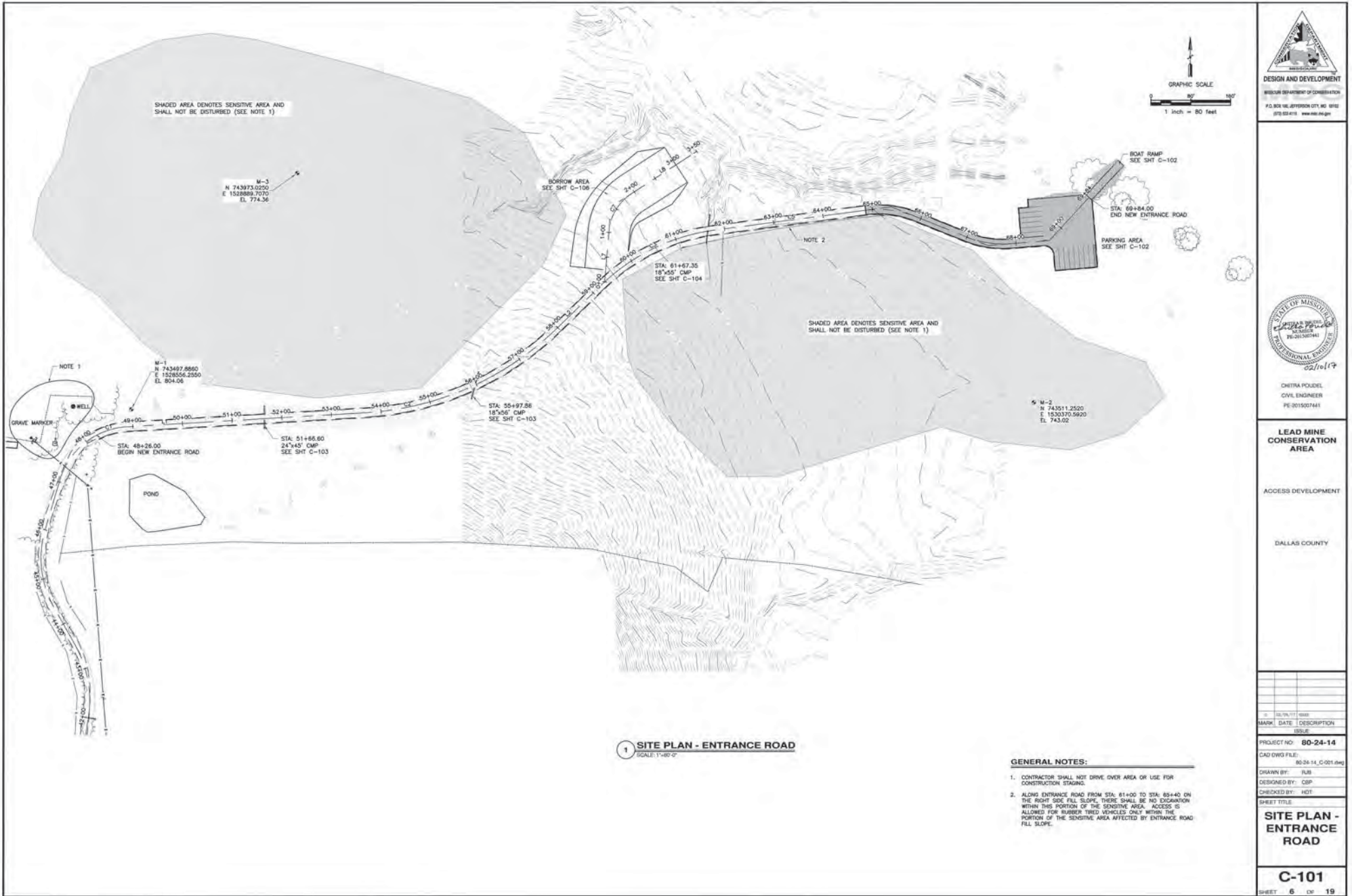
CHECKED BY: STANDARD

SHEET TITLE

TEMPORARY
EROSION
CONTROL

G-501

SHEET 3 OF 19



1 SITE PLAN - ENTRANCE ROAD
SCALE: 1"=80'-0"

GENERAL NOTES:

1. CONTRACTOR SHALL NOT DRIVE OVER AREA OR USE FOR CONSTRUCTION STAGING.
2. ALONG ENTRANCE ROAD FROM STA. 61+00 TO STA. 65+40 ON THE RIGHT SIDE FILL SLOPE, THERE SHALL BE NO EXCAVATION WITHIN THIS PORTION OF THE SENSITIVE AREA. ACCESS IS ALLOWED FOR RUBBER Tired VEHICLES ONLY WITHIN THE PORTION OF THE SENSITIVE AREA AFFECTED BY ENTRANCE ROAD FILL SLOPE.



DESIGN AND DEVELOPMENT

MISSOURI DEPARTMENT OF TRANSPORTATION

P.O. BOX 168, JEFFERSON CITY, MO 64501

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CYNTHIA POULOS

CIVIL ENGINEER

PE-001507441

LEAD MINE
CONSERVATION
AREA

ACCESS DEVELOPMENT

DALLAS COUNTY

DATE	02/01/17
BY	02/01/17
DATE	02/01/17
BY	02/01/17

MARK DATE DESCRIPTION

ISSUE

PROJECT NO. 80-24-14

CAD DWG FILE: 80-24-14_C-001.dwg

DRAWN BY: JUB

DESIGNED BY: CBP

CHECKED BY: HOT

SHEET TITLE

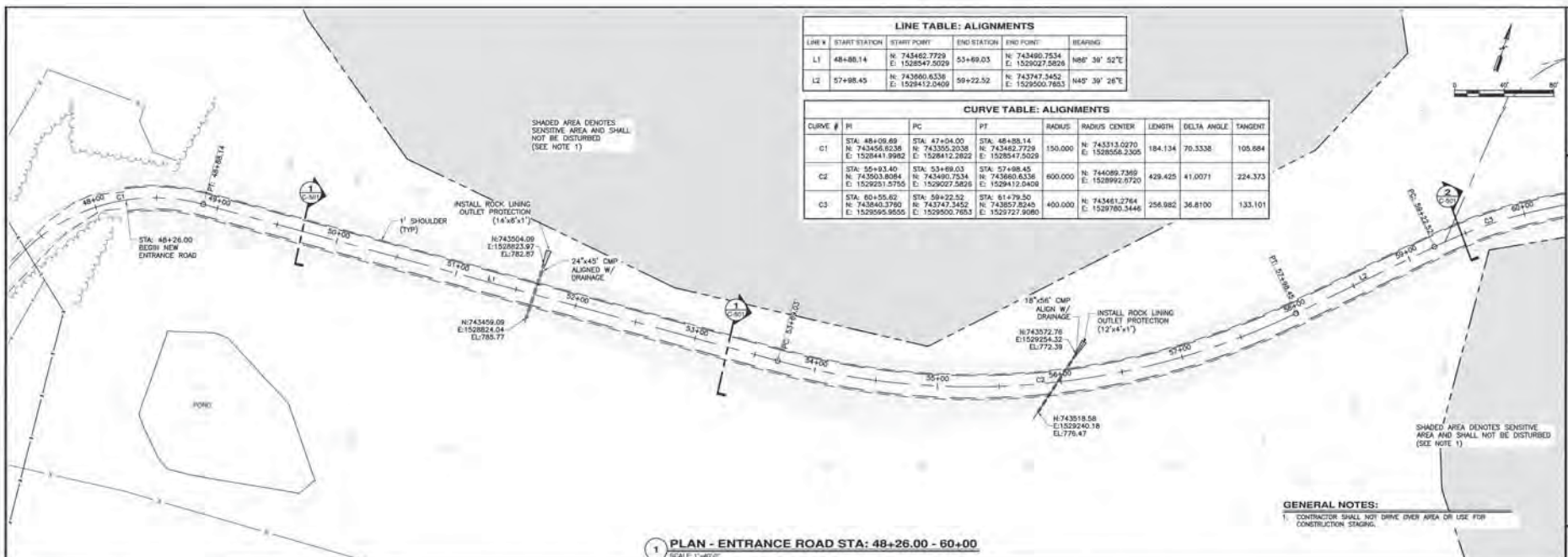
SITE PLAN -
ENTRANCE
ROAD

C-101

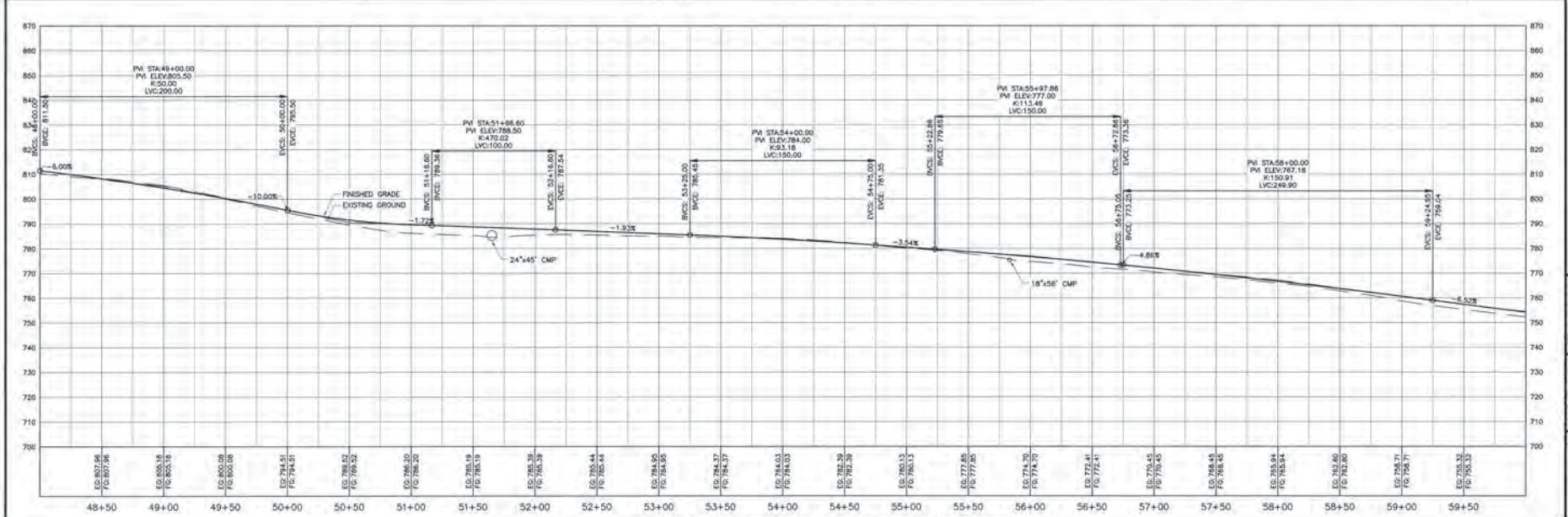
SHEET 6 OF 19

LINE TABLE: ALIGNMENTS					
LINE #	START STATION	START POINT	END STATION	END POINT	BEARING
L1	48+86.14	N: 743462.7729 E: 1528547.5029	53+69.03	N: 743460.7534 E: 1528547.5029	N86° 30' 52"E
L2	57+98.45	N: 743660.6338 E: 1528412.0409	59+22.52	N: 743747.3452 E: 1529500.7853	N49° 30' 26"E

CURVE TABLE: ALIGNMENTS									
CURVE #	PI	PC	PT	RADIUS	RADIUS CENTER	LENGTH	DELTA ANGLE	TANGENT	
C1	STA: 48+09.69 N: 743466.6338 E: 1528441.9992	STA: 47+04.00 N: 743305.3038 E: 1528412.2892	STA: 48+86.14 N: 743462.7729 E: 1528547.5029	150,000	N: 743313.0270 E: 1528556.2305	184.134	70.3338	105.684	
C2	STA: 55+93.40 N: 743503.8084 E: 1528531.3755	STA: 53+69.03 N: 743460.7534 E: 1528547.5029	STA: 57+98.45 N: 743660.6338 E: 1528412.0409	800,000	N: 744080.7369 E: 1528992.6720	429.425	41.0071	224.373	
C3	STA: 60+55.82 N: 743840.3780 E: 1529565.9650	STA: 59+22.52 N: 743747.3452 E: 1529500.7853	STA: 61+79.50 N: 743857.8249 E: 1529727.6980	400,000	N: 743461.2764 E: 1529780.3446	256.982	36.8100	133.101	



1 PLAN - ENTRANCE ROAD STA: 48+26.00 - 60+00
SCALE: 1"=40' 0"



2 PROFILE - ENTRANCE ROAD STA: 48+26.00 - 60+00
SCALE: 1"=40' 0"



DESIGN AND DEVELOPMENT
STATE OF TEXAS
DEPARTMENT OF TRANSPORTATION
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TEL: 512/261-1000
WWW.TDTP.TX.GOV



CYNTHIA POUREL
CIVIL ENGINEER
TE-015000041

LEAD MINE
CONSERVATION
AREA

ACCESS DEVELOPMENT

DALLAS COUNTY

MARK, DATE, DESCRIPTION

PROJECT NO: 80-24-14

CAD DWG FILE: 80-24-14, G-101.dwg

DRAWN BY: JLD

DESIGNED BY: CSP

CHECKED BY: HST

SHEET TITLE

PLAN & PROFILE
STA 48+26 - 60+00

C-103

SHEET 8 OF 19



DESIGN AND DEVELOPMENT
MISSOURI DEPARTMENT OF TRANSPORTATION
1100 N. G. BOYD BLVD., JEFFERSON CITY, MO 64101
620-800-7000



CITRUS ROUSSEL
CIVIL ENGINEER
PE 021002491

LEAD MINE
CONSERVATION
AREA

ACCESS DEVELOPMENT

DALLAS COUNTY

1. SURVEY

DATE DESCRIPTION

PROJECT NO. 80-24-14

CAD DWG FILE 80-24-14, C102.dwg

DRAWN BY: JLB

DESIGNED BY: CDR

CHECKED BY: HOF

SHEET TITLE

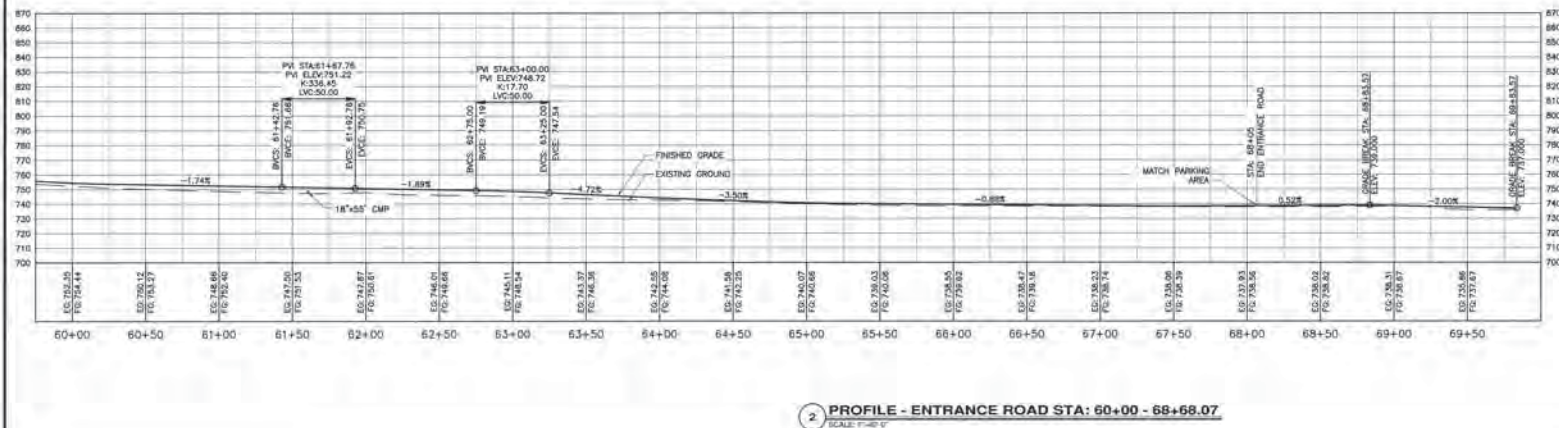
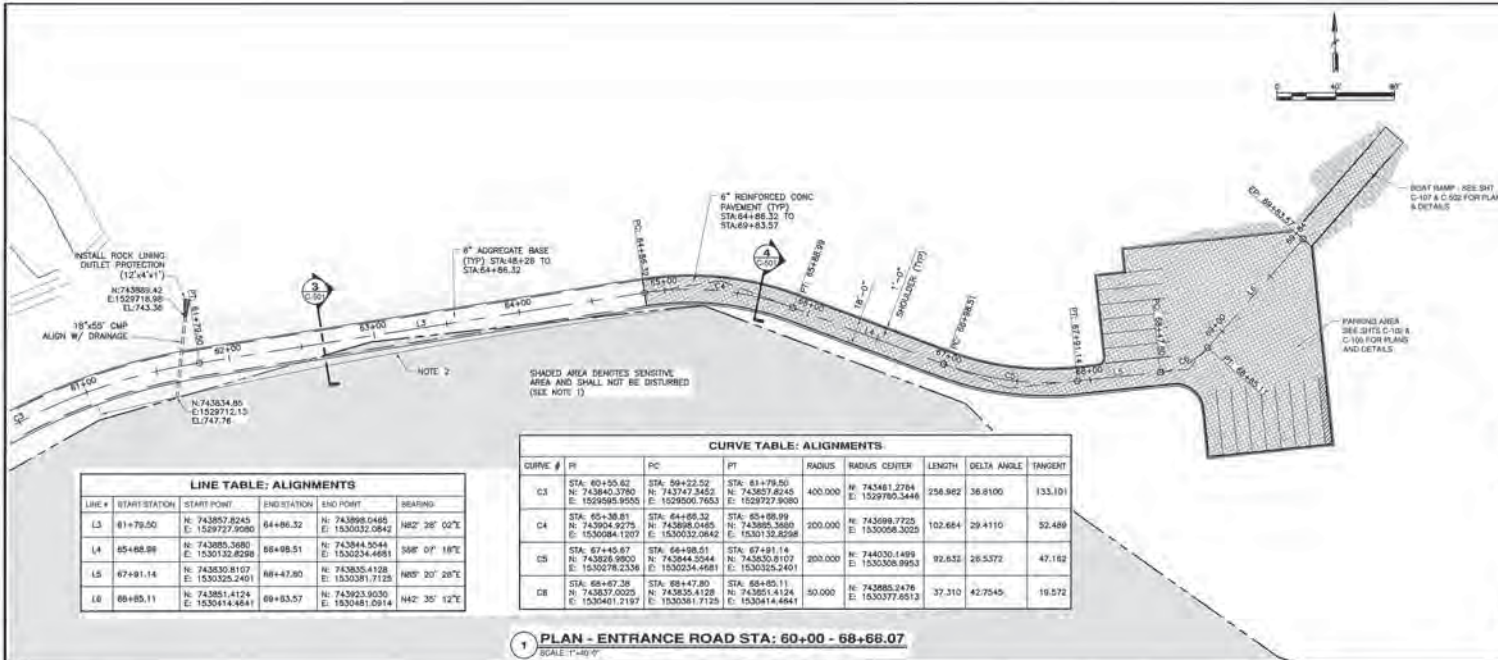
PLAN & PROFILE -

STA 60+00 -

69+83.58

C-104

(SHEET 9 OF 19)





DESIGN AND DEVELOPMENT
TxDOT
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P.O. BOX 168, JEFFERSON CITY, MO 65102



STATE OF MISSOURI
DEPT. OF TRANSPORTATION
P.O. BOX 168, JEFFERSON CITY, MO 65102

LEAD MINE
CONSERVATION
AREA

ACCESS DEVELOPMENT

DALLAS COUNTY

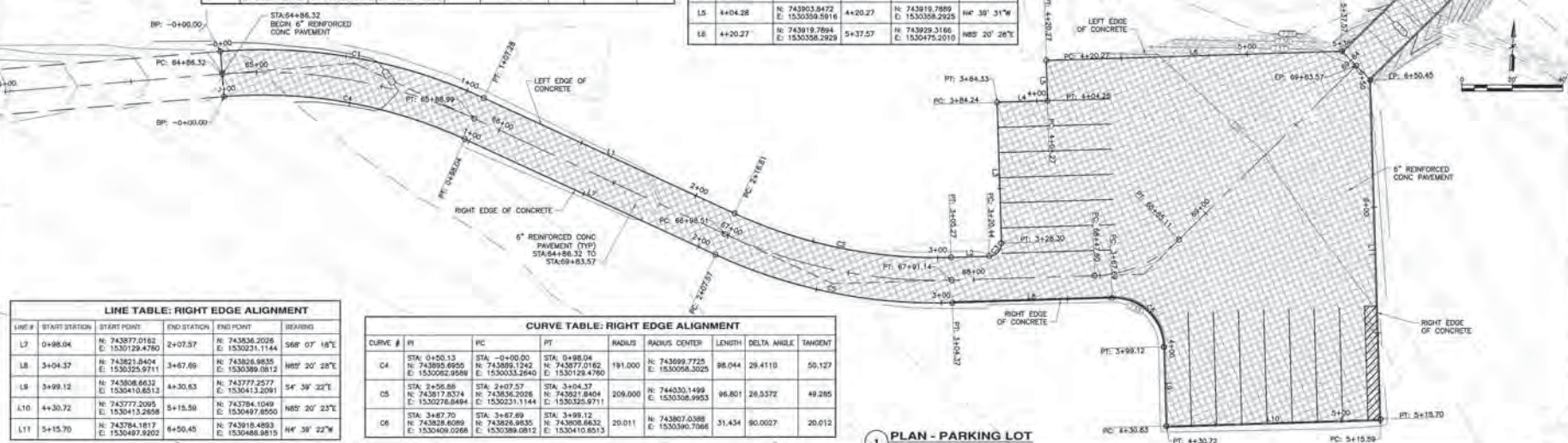
PROJECT NO: 80-24-14
CAD FILE: 80-24-14, C-103.dwg
DRAWN BY: RAB
DESIGNED BY: CHP
CHECKED BY: HST
SHEET TITLE

PLAN & PROFILE -
PARKING
EDGES

C-105
SHEET 10 OF 19

CURVE TABLE: LEFT EDGE ALIGNMENT									
CURVE #	PI	PC	PT	RADIUS	RADIUS CENTER	LENGTH	DELTA ANGLE	TANGENT	
C1	0+54.85	0+00.00	1+07.28	208,000	N 743699.7725 E 1530098.3025	107.28	29.4110	54.852	
C2	2+61.85	2+16.81	3+05.27	191,000	N 744030.1499 E 1530308.9953	88.464	28.5372	45.040	
C3	3+25.44	3+25.44	3+25.44	3,000	N 743845.9966 E 1530338.2231	7.854	90.0000	5,000	

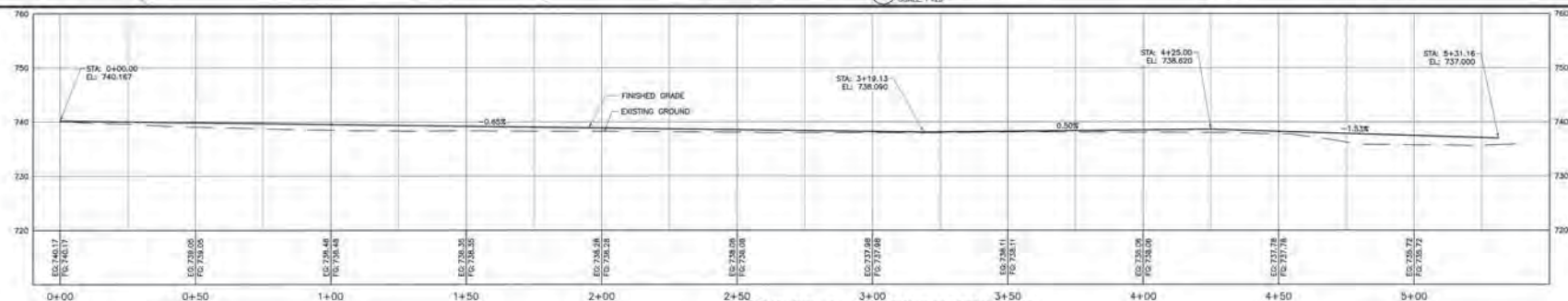
LINE TABLE: LEFT EDGE ALIGNMENT					
LINE #	START STATION	START POINT	END STATION	END POINT	BEARING
L1	1+07.28	N 743893.7188 E 1530136.1835	2+16.81	N 743852.9062 E 1530237.8218	S88° 07' 18"
L2	3+05.27	N 743839.7810 E 1530324.5091	3+20.44	N 743841.0132 E 1530338.6292	N85° 20' 28"
L3	3+28.30	N 743846.4025 E 1530344.2090	3+84.24	N 743892.1587 E 1530359.6629	N4° 30' 32"
L4	3+84.33	N 743902.2225 E 1530339.7172	4+04.27	N 743903.9418 E 1530359.5869	N85° 20' 28"
L5	4+04.28	N 743903.9472 E 1530359.5916	4+20.27	N 743819.7889 E 1530368.9928	N4° 30' 31"
L6	4+20.27	N 743819.7894 E 1530358.2929	5+37.57	N 743929.3186 E 1530475.2010	N85° 20' 28"



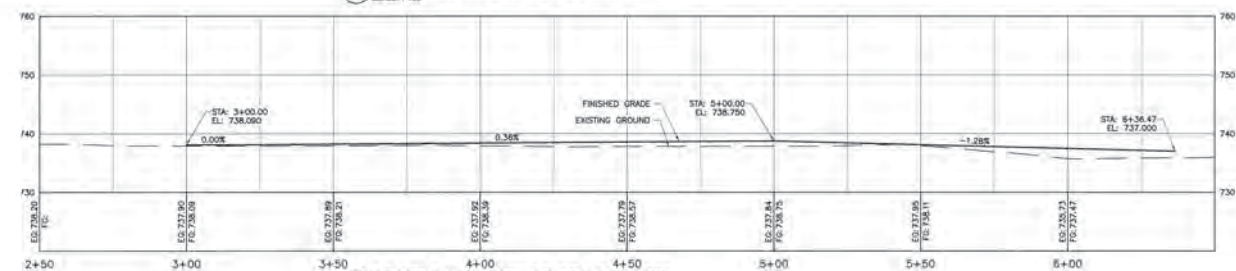
LINE TABLE: RIGHT EDGE ALIGNMENT					
LINE#	START STATION	START POINT	END STATION	END POINT	BEARING
L7	0+88.04	N 743877.0162 E 1530129.4760	2+07.57	N 743836.2026 E 1530231.1144	S88° 07' 18"
L8	3+04.37	N 743821.8404 E 1530325.9711	3+67.89	N 743826.0835 E 1530389.0812	N85° 20' 28"
L9	3+99.12	N 743808.6632 E 1530410.6512	4+30.63	N 743777.2577 E 1530413.2081	S4° 39' 32"
L10	4+30.72	N 743777.2095 E 1530413.2858	5+15.58	N 743784.1049 E 1530487.8590	N85° 20' 23"
L11	5+15.70	N 743784.1817 E 1530487.9202	6+50.45	N 743918.4893 E 1530488.9815	N4° 30' 22"

CURVE TABLE: RIGHT EDGE ALIGNMENT									
CURVE #	PI	PC	PT	RADIUS	RADIUS CENTER	LENGTH	DELTA ANGLE	TANGENT	
C4	0+50.13	0+00.00	0+98.04	191,000	N 743699.7725 E 1530098.3025	98.044	29.4110	50.127	
C5	2+56.88	2+07.57	3+04.37	208,000	N 744030.1499 E 1530308.9953	96.801	28.5372	49.285	
C6	3+467.30	3+467.30	3+467.30	20,011	N 743807.0388 E 1530390.7066	31.434	90.0027	20.012	

1 PLAN - PARKING LOT
SCALE 1"=20'



2 PROFILE - LEFT EDGE OF CONCRETE
SCALE 1"=20'



3 PROFILE - RIGHT EDGE OF CONCRETE
SCALE 1"=20'

LINE TABLE: ALIGNMENTS

LINE #	START STATION	START POINT	END STATION	END POINT	BEARING
L1	0+00.00	N: 743753.8559 E: 1529507.5861	1+02.45	N: 743855.8458 E: 1529516.1972	N4° 48' 17"E
L2	1+85.61	N: 743931.4557 E: 1529581.4533	3+50.00	N: 744016.5189 E: 1529692.6888	N57° 03' 02"E

CURVE TABLE: ALIGNMENTS

CURVE #	PI	PC	PT	RADIUS	RADIUS CENTER	LENGTH	DELTA ANGLE	TANGENT
C1	STA: 1+51.47 N: 743904.7932 E: 1529520.3174	STA: 1+02.45 N: 743855.8458 E: 1529516.1972	STA: 1+93.61 N: 743931.4557 E: 1529561.4533	100.000	N: 743847.5408 E: 1529815.8434	91.157	52.2291	49.021

GENERAL NOTES:

- COORDINATE GRADING OF BORROW AREA WITH PROJECT ENGINEER.
- GRADE BORROW AREA TO FREELY DRAIN.

1 PLAN - BORROW AREA
SCALE: 1"=20'

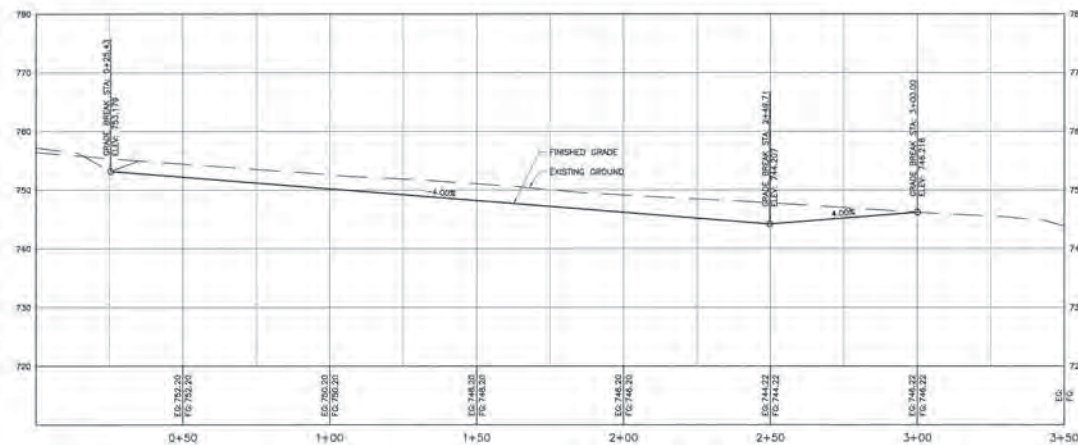
2 PROFILE - BORROW AREA
SCALE: 1"=8'

PLAN - BORROW AREA

The plan view shows the borrow area with stationing from 0+00 to 3+50. It includes a north arrow, a scale bar (0 to 40 feet), and a graphic representation of the terrain with contour lines. The borrow area is defined by a dashed line and is located to the right of the main alignment. The plan view also shows the alignment of the road and the location of the borrow area relative to the road.

PROFILE - BORROW AREA

The profile view shows the vertical alignment of the borrow area. The vertical axis represents elevation in feet, ranging from 720 to 780. The horizontal axis represents stationing from 0+50 to 3+50. The profile shows the existing ground (dashed line) and the finished grade (solid line). The finished grade is a straight line with a 4.00% slope. The profile also shows the location of the borrow area relative to the road.



2 PROFILE - BORROW AREA
SCALE: 1"=20'



DESIGN AND DEVELOPMENT

100 N. 100, JEFFERSON CITY, MO 64102
(314) 622-8115 www.msl-inc.com



CHITRA POUEL
CIVIL ENGINEER
PE 201500741

LEAD MINE
CONSERVATION
AREA

PROCESS DEVELOPMENT

DALLAS COUNTY

02/09/11	Good
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WK	DATE	DESCRIPTION
		ISSUE

0.0000

80-24-14

8/24/14 C:\DWG FILES\

OWN BY: FULL

SIGNED BY: CBP

LOCKED BY: HOT

TEST TITLE:

PLAN &

PROFILE -

BORROW

BORROW AREA

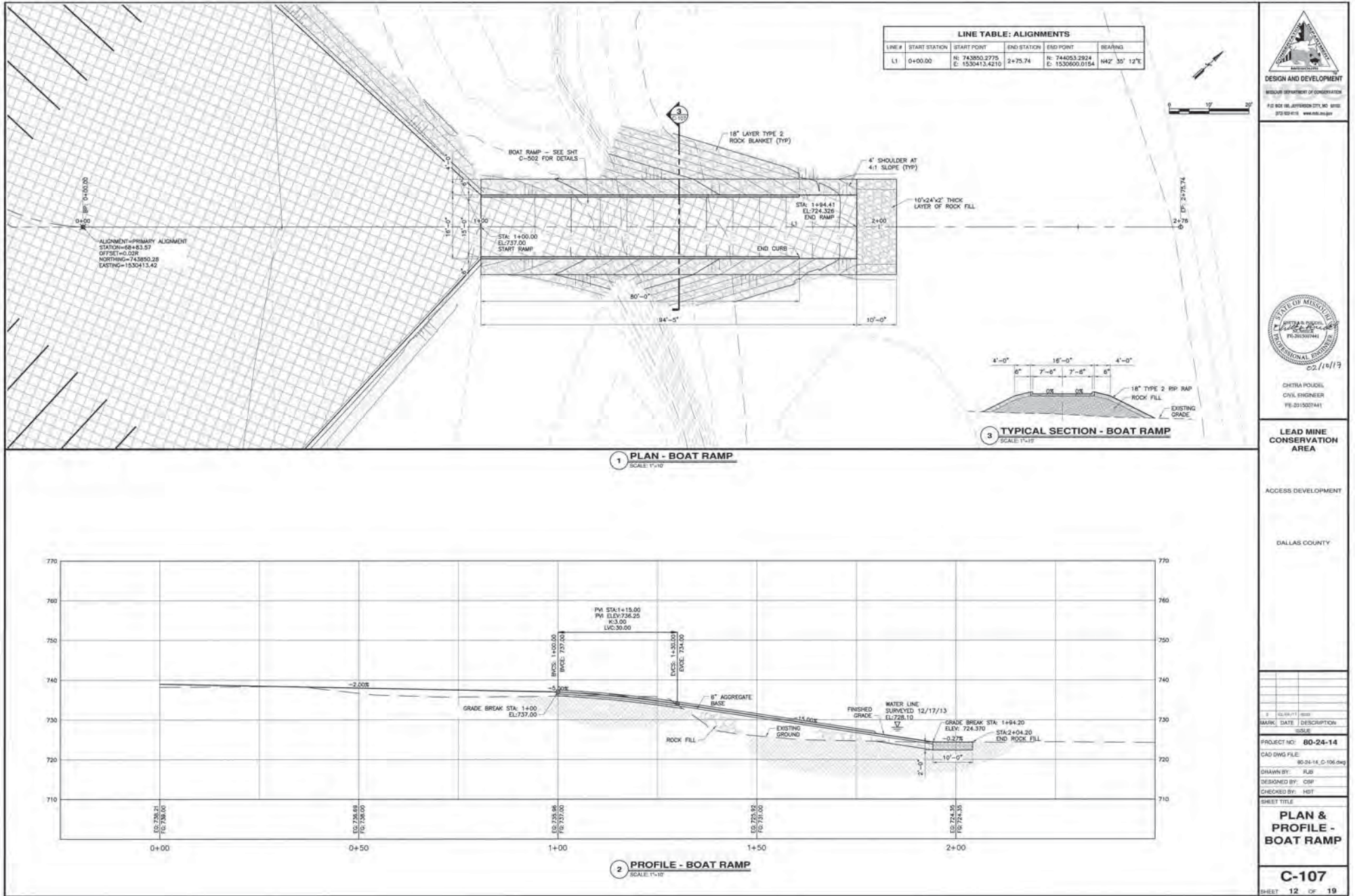
AREA

0.185

C-106

SET 11 OF 19

1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 2679, 26





DESIGN AND DEVELOPMENT
MISSISSIPPI DEPARTMENT OF TRANSPORTATION
P.O. BOX 100, JEFFERSON CITY, MS 39202
REVISED: 06/01/2017



DARIA POULOS
CIVIL ENGINEER
TS-011007441

LEAD MINE
CONSERVATION
AREA

ACCESS DEVELOPMENT

DALLAS COUNTY

DATE: 02/10/19
MARK: DATE DESCRIPTION
02/10/19

PROJECT NO: 80-24-14

CAD DWG FILE: 80-24-14 (5-102.000)

DRAWN BY: RUB

DESIGNED BY: CBP

CHECKED BY: HST

SHEET TITLE

ENTRANCE
ROAD
TYPICAL
SECTIONS

C-501

SHEET 13 OF 19

